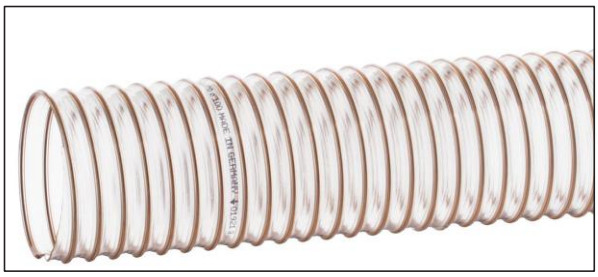
TPE, TEEE abrasion-resistant



ECO 1.0 / ECO 1.0 SE / ECO 1.0 AS

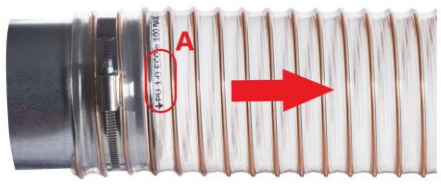
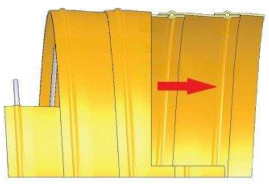
Medium-wall, eco-friendly and economical hose for the extraction and conveying of chips, solid particles and granulates

Material: transparent polyether-polyurethane, 1.0 mm wall thickness
Reinforcement: spiral of steel wire
Working temp.: from -40°C to +100°C (briefly up to +125°C)

Strong, flexible medium-wall hose designed for extracting chips, bulk materials, granulate, etc. For all types of industry, in particular often used in the woodworking, furniture, ceramics and plastics industries, etc. The medium-wall thickness and dense reinforcing spiral provide higher pressure ratings compared with the ECO 0.4, 0.6 and 0.7 hoses. Flexible, very smooth inside, barely compressible. Flexible also at low temperatures. Good abrasion resistance, also resistant to microbes and hydrolysis. Non-toxic, free of halogen compounds and plasticisers. Resistant to oils and petrol. The optimum flow direction of the medium is marked with an arrow. The hose wall thickness is measured between the spiral. Fitting onto connectors with bridge clamps (right-hand). Other diameters may be available on special order. The hose is available in the following versions:
ECO – basic version;
ECO SE – flame-retardant material version (UL94 V-2);
ECO AS – permanently antistatic version (ISO 8031: R < 10^9 Ω, TRGS 727 (6.4.2.4): R < 2.5 x 10^8 Ωm, Directive 2014/34/EU (ATEX): may be used in **specified** explosion hazard zones after risk analysis;
ECO SE AS – antistatic and flame-retardant version (available on special order).

The ECO hose is made in Germany using a modern production process compliant with sustainable-development policy. This means using raw materials recycled from clean production waste, renewable (photovoltaic) energy, a closed water cycle and other innovations, enabling a good product to be made at an attractive price.

index (ECO)	index (ECO SE)	index (ECO AS)	diameter inner [mm]	pressure working 23ºC [bar]	vacuum 23ºC [bar]	bending radius [mm]	weight [kg/m]	length standard [m]
SC-ECO-040-10	SC-ECO-040-10SE	SC-ECO-040-10AS	40	1,25	0,45	52	0,35	10
SC-ECO-050-10	SC-ECO-050-10SE	SC-ECO-050-10AS	50	1,20	0,4	65	0,41	10
SC-ECO-060-10	SC-ECO-060-10SE	SC-ECO-060-10AS	60	1,15	0,35	76	0,47	10
SC-ECO-065-10	SC-ECO-065-10SE	SC-ECO-065-10AS	65	1,12	0,33	85	0,53	10
SC-ECO-070-10	SC-ECO-070-10SE	SC-ECO-070-10AS	70	1,08	0,31	91	0,57	10
SC-ECO-075-10	SC-ECO-075-10SE	SC-ECO-075-10AS	75	1,05	0,3	98	0,61	10
SC-ECO-080-10	SC-ECO-080-10SE	SC-ECO-080-10AS	80	1,05	0,25	104	0,65	10
SC-ECO-090-10	SC-ECO-090-10SE	SC-ECO-090-10AS	90	0,85	0,25	117	0,8	10
SC-ECO-100-10	SC-ECO-100-10SE	SC-ECO-100-10AS	100	0,7	0,23	130	0,95	10
SC-ECO-110-10	SC-ECO-110-10SE	SC-ECO-110-10AS	110	0,65	0,2	143	1,02	10
SC-ECO-120-10	SC-ECO-120-10SE	SC-ECO-120-10AS	120	0,65	0,2	156	1,08	10
SC-ECO-125-10	SC-ECO-125-10SE	SC-ECO-125-10AS	125	0,55	0,2	163	1,13	10
SC-ECO-130-10	SC-ECO-130-10SE	SC-ECO-130-10AS	130	0,55	0,18	169	1,15	10
SC-ECO-140-10	SC-ECO-140-10SE	SC-ECO-140-10AS	140	0,55	0,15	182	1,18	10
SC-ECO-150-10	SC-ECO-150-10SE	SC-ECO-150-10AS	150	0,45	0,15	195	1,25	10
SC-ECO-160-10	SC-ECO-160-10SE	SC-ECO-160-10AS	160	0,4	0,15	208	1,34	10
SC-ECO-175-10	SC-ECO-175-10SE	SC-ECO-175-10AS	175	0,36	0,13	228	1,63	10
SC-ECO-180-10	SC-ECO-180-10SE	SC-ECO-180-10AS	180	0,35	0,12	234	1,68	10
SC-ECO-200-10	SC-ECO-200-10SE	SC-ECO-200-10AS	200	0,3	0,1	260	1,87	10
SC-ECO-225-10	SC-ECO-225-10SE	SC-ECO-225-10AS	225	0,25	0,09	293	2,11	10
SC-ECO-250-10	SC-ECO-250-10SE	SC-ECO-250-10AS	250	0,25	0,09	325	2,35	10
SC-ECO-275-10	SC-ECO-275-10SE	SC-ECO-275-10AS	275	0,22	0,08	358	2,82	10
SC-ECO-300-10	SC-ECO-300-10SE	SC-ECO-300-10AS	300	0,2	0,07	390	3,08	10



ECO 1.0 DN100 hose fitted onto a tube connector. The optimum flow direction is marked on the hose with a black arrow. This flow direction is optimum owing to the hose construction (it follows the overlaps of the wall material), reduces flow resistance and increases service life. The flow direction is marked on most hoses made of transparent polyurethane.